

What is claimed is:

1       1.       An ignition device for bus connection, of a type in which a plurality of the ignition  
2       devices are connected to an ignition control system via a common bus, and the ignition  
3       devices are selectively operable by means of electrical energy and an electrical signal  
4       supplied from the ignition control system,

5               wherein the ignition device comprises:

6               an ignition package integrally comprising a communication/ignition circuit provided  
7       on a silicon chip and an ignition element provided on another silicon chip.

1       2.       An ignition device for bus connection, of a type in which a plurality of the ignition  
2       devices are connected to an ignition control system via a common bus, and the ignition  
3       devices are selectively operable by means of electrical energy and an electrical signal  
4       supplied from the ignition control system,

5               wherein the ignition device comprises:

6               an ignition package integrally comprising a communication/ignition circuit provided  
7       on a silicon chip and an ignition element also provided on the silicon chip.

1       3.       The ignition device for bus connection according to Claim 1, wherein the ignition  
2       package is used as a header of the ignition device.

1       4.       The ignition device for bus connection according to Claim 2, wherein the ignition  
2       package is used as a header of the ignition device.

1       5.       The ignition device for bus connection according to Claim 1, wherein the ignition  
2       element is disposed on an outer surface of the ignition package in contact with an igniting  
3       agent.

1 6. The ignition device for bus connection according to Claim 2, wherein the ignition  
2 package has an opening defined therein, and said ignition element is disposed in said  
3 opening in contact with an igniting agent.

1 7. The ignition device for bus connection according to Claim 1, wherein the ignition  
2 package further comprises a synthetic resin having said communication/ignition circuit and  
3 said ignition element embedded therein.

1 8. The ignition device for bus connection according to Claim 2, wherein the ignition  
2 package further comprises a synthetic resin having said communication/ignition circuit and  
3 said ignition element embedded therein.

1 9. The ignition device for bus connection according to Claim 1, wherein the ignition  
2 said communication/ignition circuit and said ignition element are electrically connected  
3 within said ignition package.

1 10. The ignition device for bus connection according to Claim 2, wherein the ignition  
2 said communication/ignition circuit and said ignition element are electrically connected  
3 within said ignition package.

1 11. The ignition device for bus connection according to Claim 1, further comprising pins  
2 which electrically connect the ignition package to the common bus, said pins being  
3 electrically connected to said communication/ignition circuit.

1 12. The ignition device for bus connection according to Claim 2, further comprising pins  
2 which electrically connect the ignition package to the common bus, said pins being  
3 electrically connected to said communication/ignition circuit.